



IAP6 Rec'd PCT/PTO 15 MAY 2006

PCT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kai Dölling and Andrea Brasch §  
Int'l. Appln. No.: PCT/EP2004/007988 §  
Int'l. Filing Date: 16 July 2004 §  
Int'l Priority Date: 17 July 2003 §  
U.S. Serial No.: 10/564,244 ✓ §  
U.S. Filing Date: 11 January 2006 §  
Title: *Process for Preparing  
Boehmitic Aluminas  
Having a High  $\alpha$ -  
Conversion Temperature* §

## INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record in the above-referenced application the references listed on the enclosed Form PTO-1449. Copies of the cited references are enclosed herewith.

Respectfully submitted,

C. James Bushman  
Reg. No. 24,810

Date: May 10, 2006

BROWNING BUSHMAN  
5718 Westheimer, Suite 1800  
Houston, TX 77057  
Tel.: (713) 266-5593  
Fax: (713) 266-5169

C:\client\_uth\cjb\muller\52IDS.doc

## CERTIFICATE OF MAILING

I certify that this document is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

5-10-06

  
Cathy Hayes

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT****Under 37 CFR 1.97(b) or 1.97(c)**

Docket No.

Muller-52

In Re Application of 2006 Kaj Dolling et al.

Application No.

10/564,244

Filing Date

01/11/06

Examiner

To Be Assigned

Customer No.

39703

Group Art Unit

To Be Assigned

Confirmation No.

To Be Assigned

Title: **Process for Preparing Boehmitic Aluminas Having a High a-Conversion Temperature**

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

- ☐ the statement specified in 37 CFR 1.97(e);

**OR**

- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
Muller-52

In Re Application of: Kai Dolling et al.

Application No.

10/564,244

Filing Date

01/11/06

Examiner

To Be Assigned

Customer No.

39703

Group Art Unit

To Be Assigned

Confirmation No.

To Be Assigned

Title: Process for Preparing Boehmitic Aluminas Having a High  $\alpha$ -Conversion Temperature

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 02-4345 as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

**Certificate of Transmission by Facsimile\***

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fa

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

**Certificate of Mailing by First Class Mail**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

5-10-06

(Date)

Signature of Person Mailing Correspondence

Cathy Hayes

Typed or Printed Name of Person Mailing Certificate

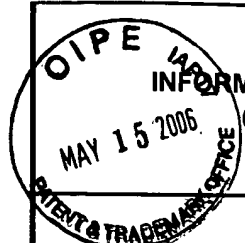
\*This certificate may only be used if paying by deposit account.

Signature

Dated: May 10, 2006

C. James Bushman, Reg. No. 24,810  
Browning Bushman P.C.  
5718 Westheimer, Suite 1800  
Houston, Texas 77057-5771  
Tel: (713) 266-5593  
Fax: (713) 266-5169

CC:



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

Muller-52

APPLICATION NO.

10/564,244

APPLICANT(S)

Kai Dolling et al.

FILING DATE

01/11/06

GROUP ART UNIT

To Be Assigned

## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME               | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|----------|--------------------|-------|----------|-------------------------------|
|                      | 2,903,418       | 09/08/59 | Kirshenbaum et al. |       |          |                               |
|                      | 3,152,865       | 10/13/64 | Koch et al.        |       |          |                               |
|                      | 3,647,374       | 03/07/72 | Nomura et al.      |       |          |                               |
|                      | 5,935,275       | 08/10/99 | Burgard et al.     |       |          |                               |
|                      | 6,030,599       | 02/29/00 | Noweck et al.      |       |          |                               |

## U.S. PATENT APPLICATION PUBLICATIONS

| *EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE     | NAME          | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----------------|----------|---------------|-------|----------|-------------------------------|
|                      | 2003/0098529    | 05/29/03 | Drumm et al.  |       |          |                               |
|                      | 2005/0019249    | 01/27/05 | Noweck et al. |       |          |                               |
|                      |                 |          |               |       |          |                               |
|                      |                 |          |               |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER       | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|-----------------------|----------|---------|-------|----------|-------------|----|
|  |                       |          |         |       |          | YES         | NO |
|  | JP61283335 Abstract   |          | Japan   |       |          | ✓           |    |
|  | DE 24 46 094 Abstract | 08/31/93 | Germany |       |          | ✓           |    |
|  |                       |          |         |       |          |             |    |
|  |                       |          |         |       |          |             |    |
|  |                       |          |         |       |          |             |    |

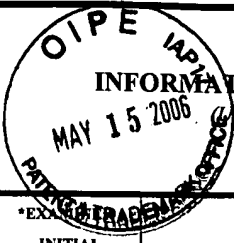
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |  |   |
|--|--|--|---|
|  |  |  | Metallorganic Compounds as Preceramic Materials II. Oxide Ceramics, G. Pouskouleli, Ceramics International Elsevier Applied Science Publ, Barking, Essex, GB, Vol. 15, No. 5, January 1989 (1989-01), pages 255-270.  |
|  |  |  | A critical role of pH in the colloidal synthesis and phase transformation of nano size a-A12O3 with high surface area, Sharma et al., Journal of the European Ceramic Society Elsevier Science Publishers, Barking, Essex, GB, Vol. 23, No. 5, April 2003 (2003-04), pages 659-666. |

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

Muller-52

Application Number

10/564,244

Applicant(s)

Kai Dolling et al.

Filing Date

01/11/06

Group Art Unit

To Be Assigned

\*EXAMINER  
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Structure of oxide gels and glasses by infrared and Raman scattering, Journal of Materials Science, Vol. 24, 1989, pages 3002-3010.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.